

Fig. 1

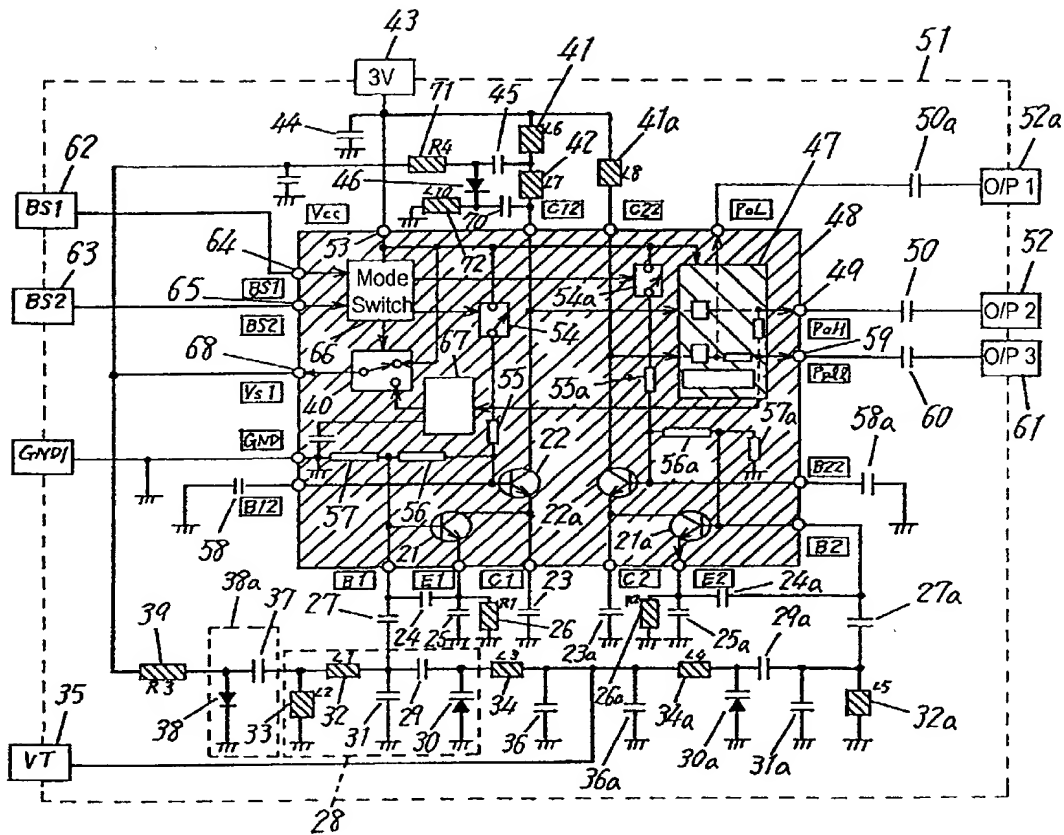


Fig. 2

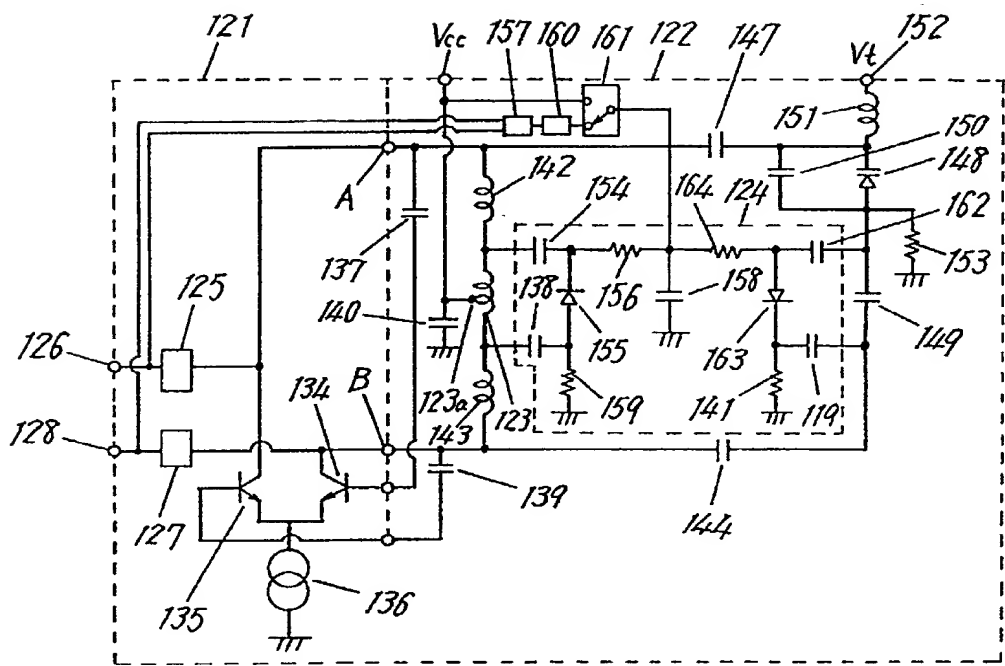


Fig. 3

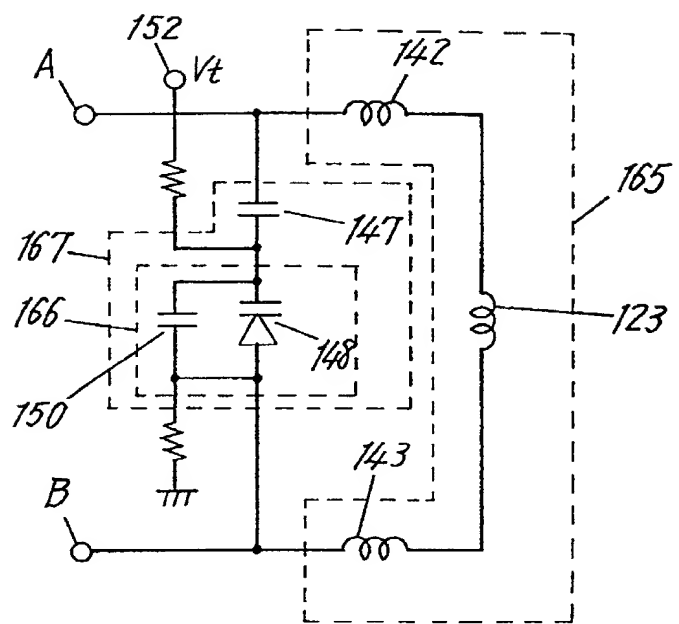
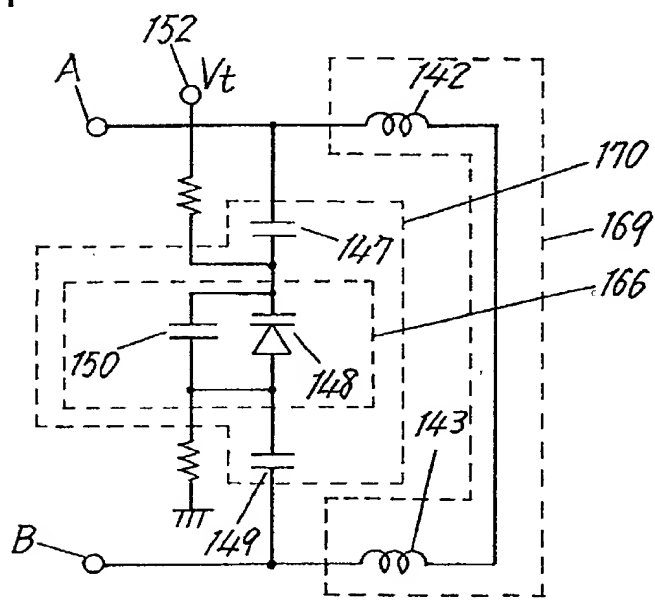
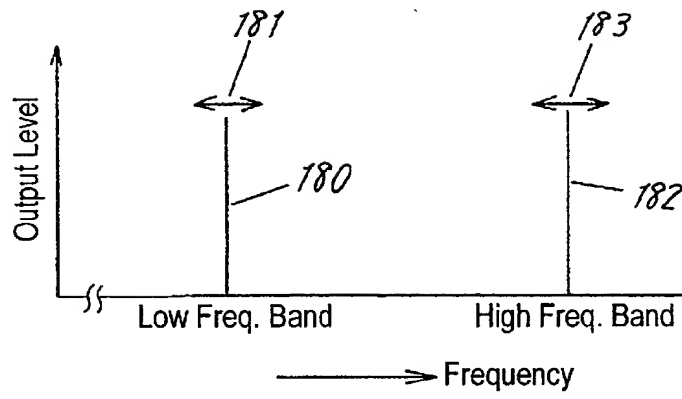


Fig. 4



4/12

Fig. 5



5/12

Fig. 6

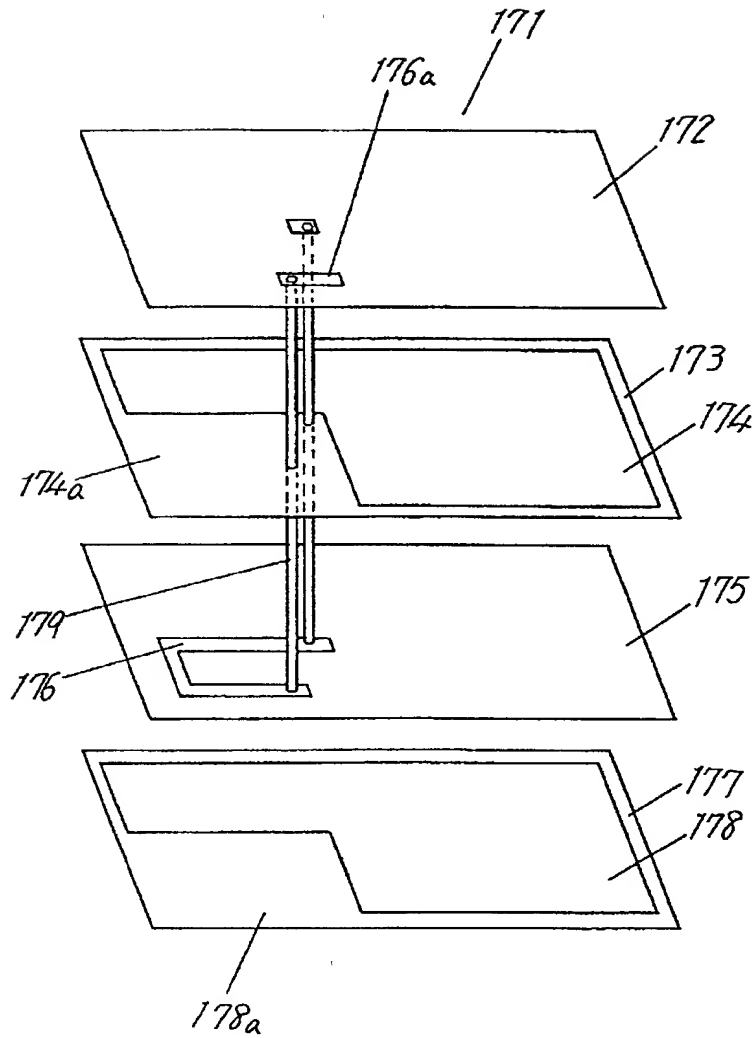
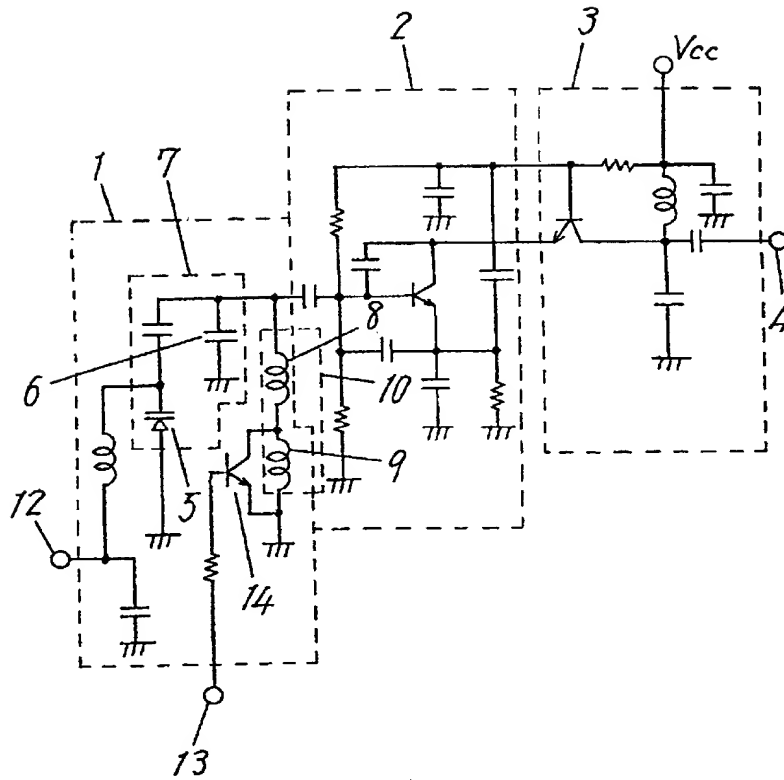


Fig. 7



7/12

## Reference Numerals

- 1 Resonant Circuit
- 2 Oscillator Circuit
- 3 Buffer
- 4 Output Port
- 5 Variable-Capacitance Diode
- 6 Capacitor
- 7 Parallel Assembly
- 8 Inductor
- 9 Inductor
- 10 Series Assembly
- 12 Control Port
- 13 Band Switching Port
- 14 Electronic Switch
- 21 Oscillating Transistor
- 21a Transistor
- 22 Buffer Transistor
- 22a Transistor
- 23 Capacitor
- 23a Capacitor
- 24 Capacitor
- 24a Capacitor
- 25 Capacitor
- 25a Capacitor
- 26 Resistor

097936322 04402

8/12

26a Resistor  
27 Coupling Capacitor  
27a Capacitor  
28 Resonant Circuit  
29 Capacitor  
29a Capacitor  
30 Variable-Capacitance Diode  
30a Variable-Capacitance Diode  
31 Capacitor  
31a Capacitor  
32 Inductor  
32a Inductor  
33 Inductor  
34 Inductor  
34a Inductor  
35 Control Port  
36 Bypass Capacitor  
36a Capacitor  
37 Capacitor  
38 Diode  
38a Switching Means  
39 Inductor  
40 Switching Means  
41 Inductor  
41a Inductor



9/12

- 42 Inductor
- 43 Positive Power Source
- 44 Bypass Capacitor
- 45 Capacitor
- 46 Diode
- 47 Output Circuit
- 48 Package
- 49 Port
- 50 Capacitor
- 50a Capacitor
- 51 Multi-Band Voltage-Controlled Oscillator
- 52 Output Port
- 52a Output Port
- 53 Port
- 54 Switch
- 54a Switch
- 55 Resistor
- 55a Resistor
- 56 Resistor
- 56a Inductor
- 57 Resistor
- 57a Inductor
- 58 Capacitor
- 58a Capacitor
- 59 Port

09/936322 JUL 11 1972

10/12

- 60 Capacitor
- 61 Port
- 62 Port
- 63 Port
- 64 Port
- 65 Port
- 66 Mode Switching Circuit
- 67 Negative Source Generator
- 68 Port
- 70 Capacitor
- 71 Inductor
- 72 Inductor
- 119 Capacitor
- 121 Balanced Amplifier
- 122 Resonant Circuit
- 123 Inductor
- 123a Intermediate Point
- 124 Switching Means
- 125 Buffer
- 126 Output Port
- 127 Buffer
- 128 Output Port
- 134 Transistor
- 135 Transistor
- 136 Constant Current Source

09/936322 011402

11/12

- 137 Capacitor
- 138 Capacitor
- 139 Capacitor
- 140 Capacitor
- 141 Resistor
- 142 Inductor
- 143 Inductor
- 144 Capacitor
- 147 Capacitor
- 148 Variable-Capacitance Diode
- 149 Capacitor
- 150 Capacitor
- 151 Inductor
- 152 Control Port
- 153 Resistor
- 154 Capacitor
- 155 Diode
- 156 Resistor
- 157 Balanced/Unbalanced Converter
- 158 Capacitor
- 159 Resistor
- 160 Negative Source Generator
- 161 Switching Means
- 162 Capacitor
- 163 Diode

00936322 011402

12/12

164 Resistor  
165 Series Assembly  
166 Parallel Assembly  
167 Series Assembly  
169 Series Assembly  
170 Series Assembly  
171 Multi-Layer Substrate  
172 First Layer  
173 Second Layer  
174 Grounding Pattern  
174a Pattern-Unformed Portion  
175 Third Layer  
176 Inductor  
176a Inductor  
177 Part of Inductor  
178 Fourth Layer  
179 Grounding Pattern  
180 About 900MHz  
181 Frequency Varied Range  
182 About 1800MHz  
183 Frequency Varied Range  
A Port  
B Port  
Vcc Power Source

00936322 01470